



**S a f e t y D a t a S h e e t**  
According to Regulation (EC) 1907/2006

162357 **Benzoyl Peroxide, 98%** humidified with X25% of H<sub>2</sub>O PS

**1. Identification of the substance/preparation and of the company or firm**

**1.1 Identification of the substance or preparation**

Name:

Benzoyl Peroxide humidified with X25% of H<sub>2</sub>O

**1.2 Use of the substance/preparation:**

For laboratory utilisation, analysis, research and fine chemistry.

**1.3 Identification of the company or firm:**

PANREAC QUIMICA, S.L.U.

C/Garraf, 2

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Emergencies:

Single telephone number for emergency calls: 112 (EU)

Tel.:(+34) Tel.:(+34) 937 489 499

**2. Identification of dangers**

Risk of explosion by shock, friction, fire or other sources of ignition. Irritating to eyes. May cause sensitization by skin contact.

### 3. Component Composition/Information

Name: Benzoyl Peroxide humidified with X25% of H<sub>2</sub>O

Formula: (C<sub>6</sub>H<sub>5</sub>CO)<sub>2</sub>O<sub>2</sub> M.=242,23 CAS [94-36-0]

EC number (EINECS): 202-327-6

EC index number: 617-008-00-0

### 4. First aid

#### 4.1 General indications:

Never provide drink or induce vomiting in the event of loss of consciousness.

#### 4.2 Inhaling:

Take the person out into the fresh air.

#### 4.3 Contact with the skin:

Wash with plenty of water. Remove contaminated clothing.

#### 4.4 Eyes:

Wash with plenty of water (for at least 15 minutes), keeping eyelids open. Seek medical assistance.

#### 4.5 Swallowing:

Drink large amounts of water. Induce vomiting. Seek medical assistance.

### 5. Fire-fighting means

#### 5.1 Suitable fire-extinguishing means:

Water.

#### 5.2 Fire-fighting means which must NOT be used:

Foam.

#### 5.3 Special risks:

Combustible. Keep away from sources of ignition. Encourages fire to break out. Keep away from combustible substances. Risk of explosion in the event of shock or friction. Risk of explosion in the event of decomposition. In the event of fire, toxic fumes may form.

#### 5.4 Protective equipment:

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## **6. Measures to be taken in the event of accidental spillage**

### **6.1 Individual precautions:**

Avoid contact with the skin, eyes or clothing.

### **6.2 Precautions for care of the environment:**

Avoid pollution of the soil, water supplies and drains.

### **6.3 Methods for collection/cleaning:**

Collect up dry and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

## **7. Handling and storage**

### **7.1 Handling:**

No special indications.

### **7.2 Storage:**

Well sealed containers. In well ventilated premises. Atmospheric temperature. Away from sources of ignition and heat. Store separately or in an enclosure exclusively set aside for substances which are likely to ignite.

## **8. Staff exposure/protection controls**

### **8.1 Technical protective measures:**

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### **8.2 Exposure limit control:**

VLA-ED: 5 mg/m<sup>3</sup>

### **8.3 Respiratory protection:**

If dust forms, use suitable respiratory protection. Filter B. Filter P<sub>3</sub>.

### **8.4 Hand protection:**

Use suitable gloves

### **8.5 Eye protection:**

Use suitable goggles.

### **8.6 Individual hygiene measures:**

Remove contaminated clothing. Wash hands and face before breaks and when the job is done. Use complete protective equipment.

### **8.7 Environmental exposure controls:**

Fulfill the commitments under local environmental protection legislation.

The supplier of the protection equipment must specify the type of protection to be worn when handling the substance or preparation, including the type of material and the breakthrough time of the material, with regard to the amount and duration of exposure.

## 9. Physical and chemical properties

Appearance:

White solid.

Odour:

Characteristic.

Melting point: 105°C (de

Flash point: 80°C

Density (20/4): 0,53

Solubility: Very slightly soluble in water.

## 10. Stability and reactivity

### 10.1 Conditions which should be avoided:

High temperatures. Risk of explosion in the event of decomposition.

### 10.2 Matter which should be avoided:

Alcohols. Amines. Reducing agents. Acids. Polymerization initiators.. Alkaline solutions.

### 10.3 Hazardous decomposition products:

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### 10.4 Complementary information:

Sensitive to knocks. May explode if subjected to shock.

## 11. Toxicological information

### 11.1 Acute toxicity:

LD<sub>50</sub> oral rat: 7710 mg/kg

LD<sub>50</sub> intraperitoneal mouse: 250 mg/kg

### 11.2 Dangerous effects for health:

Upon contact with the skin: irritations.

Through contact with the eyes: irritations.

If swallowed: Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract.

Can cause sensitization, allergic reaction.

Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

## **12. Environmental information**

### **12.1 Mobility:**

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### **12.2 Ecotoxicity:**

12.1.1 - EC<sub>50</sub> test (mg/l):

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12.2.2 - Receptor medium:

Risk for the water environment = ----

Risk for the land environment = ----

12.2.3 - Observations:

Ecotoxic data not available.

### **12.3 Degradability:**

12.3.1 - Test:-----

12.3.2 - Biotic degradation classification:

BOD<sub>5</sub>/COD Biodegradability = ----

12.3.3 - Abiotic degradation depending on pH: -----

12.3.4 - Observations:

Data not available.

### **12.4 Accumulation:**

12.4.1 - Test:

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12.4.2 - Bioaccumulation:

Risk = -----

12.4.3 - Observations:

Data not available.

### **12.5 Other possible effects on the environment:**

Do not allow it to enter soils or water channels. Product hardly pollutant for water.

## 13. Considerations regarding elimination

### 13.1 Substance or preparation:

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country. In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes.

Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

### 13.2 Contaminated containers:

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

## 14. Information concerning transport

Overland (ADR):

Technical name: PERÓXIDO ORGÁNICO DE TIPO C, SÓLIDO (Benzoílo peróxido)

ONU 3104 Class: 5.2 Packaging group: - (D)

By sea (IMDG):

Technical name: PERÓXIDO ORGÁNICO DE TIPO C, SÓLIDO (Benzoílo peróxido)

ONU 3104 Class: 5.2 Packaging group: -

By air (ICAI-IATA):

Technical name: Peróxido orgánico de tipo C, sólido (Benzoílo peróxido)

ONU 3104 Class: 5.2 Packaging group: -

Packaging instructions: CAO 513 PAX 510

## 15. Mandatory information

### 15.1 Labelling as per REACH

Symbols: 

Danger indications: Explosive Irritant

Phrases R: 2-36-43 Risk of explosion by shock, friction, fire or other sources of ignition. Irritating to eyes. May cause sensitization by skin contact.

Phrases S: 3/7-14-36/37/39 Keep container tightly closed in a cool place. Keep away from reducing substances. Wear suitable protective clothing, gloves and eye-face protection.

EC index number: 617-008-00-0

## **16. Other information**

Review number and date:2 07.06.09

In respect of the previous review, changes have been made to the following sections: 8.

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.